

AMENDMENTS TO THE CLAIMS:

1. (Currently amended) An AC adapter power supply apparatus comprising:
a line for supplying a DC voltage converted by an AC-DC conversion circuit ~~[[11]]~~ (11)
to a DC output circuit ~~[[23]]~~ (23),
a battery switch circuit ~~[[15]]~~ (15) for supplying the DC voltage converted by the AC-DC
conversion circuit ~~[[11]]~~ (11) to a battery ~~[[14]]~~ (14) via a charging circuit ~~[[13]]~~ (13) and for
controlling contact and separation of the battery ~~[[14]]~~ (14) and a DC-DC conversion circuit
~~[[16]]~~ (16) from the battery 14, and
a line for supplying to the DC output circuit ~~[[23]]~~ (23) via the DC-DC conversion circuit
~~[[16]]~~ (16) for increasing and decreasing the voltage from the battery (14),
wherein a DC output detection circuit ~~[[17]]~~ (17) is connected to an output side of the
AC-DC conversion circuit ~~[[11]]~~ (11), and
wherein the output side of the DC output detection circuit ~~[[17]]~~ (17) is connected to an
apparatus status output circuit ~~[[22]]~~ (22) for outputting a status monitoring signal to the outside
and to the battery switch circuit ~~[[15]]~~ (15), and then
wherein an output voltage changeover switch ~~[[19]]~~ (19) for switching a set-up output
voltage is connected to the AC-DC conversion circuit ~~[[11]]~~ (11) and the DC-DC conversion
circuit ~~[[16]]~~ (16).

2. (Original) The AC adapter power supply apparatus according to claim 1, wherein the
battery ~~[[14]]~~ (14) is connected to a battery voltage detection circuit ~~[[18]]~~ (18) for detecting a
voltage of the battery ~~[[14]]~~ (14), and the output side of the battery voltage detection circuit 18 is
connected to the apparatus status output circuit ~~[[22]]~~ (22) for outputting the status monitoring

signal to the outside and to the battery switch circuit [[15]] (15) for controlling the contact and separation of the battery [[14]] (14) and the DC-DC conversion circuit [[16]] (16).

3. (Original) The AC adapter power supply apparatus according to claim 1, wherein the charging circuit [[13]] (13) is connected to a charging on-off switch [[20]] (20) for outputting a signal which connects the AC-DC conversion circuit [[11]] (11) to the battery [[14]] (14) when the battery [[14]] (14) is a secondary battery and separates the AC-DC conversion circuit [[11]] (11) from the battery [[14]] (14) when the battery [[14]] (14) is a primary battery.

4. (Original) The AC adapter power supply apparatus according to claim 1, wherein the battery switch circuit [[15]] (15) is connected to a cold start switch [[21]] (21) for connecting the battery [[14]] (14) to the DC-DC conversion circuit [[16]] (16) for the sake of connecting the battery [[14]] (14) to the DC output circuit [[23]] (23) when there is no AC input and interrupting the battery [[14]] (14) from the DC output circuit [[23]] (23) when the AC input is normally supplied from the AC-DC conversion circuit [[11]] (11) to the DC output circuit [[23]] (23).